






# PREFLO MN™

Melt-blown Depth Filters / Nylon



## INDUSTRIES & APPLICATIONS

-  **Food & Beverage** : Bottle water, Beers, Wines, Syrups, Soft drinks
-  **Electronics** : Process chemicals, Plating solutions, Wash solutions
-  **Chemicals** : Acids, Bases, Solvents
-  **Cosmetics** : Alcohol, Creams, Oils
-  **Petrochemicals** : Amine process, Amine process, Oils, Resins

PREFLO MN™ filter cartridges are nylon melt-blown depth filters designed for those applications which polypropylene filters cannot be used due to high temperature and chemical compatibility.

PREFLO MN™ filter cartridges have multiple filtration zones making a gradient pore structure of a filter, which effectively captures large particles in the outer sections while providing highly efficient and consistent removal of smaller particles in the innermost sections. As a result, the construction allows for a high dust holding capacity, high flow rate and high particle removal efficiency.

## FEATURES & BENEFITS

- Graded pore construction provides low pressure drop and long filter life
- Stable pore structure by thermal bonding minimizes fiber migration and unloading
- High temperature resistance up to 120°C
- The uniform fiber structure provides reliable reproducibility
- Excellent chemical compatibility
- Low maintenance cost
- 100% Nylon materials without binders or adhesives
- All materials of construction are FDA listed and conform to the relevant requirements of 21CFR177

## TECHNICAL DATA

### Nominal Dimensions

|                  |   |
|------------------|---|
| · Length         | 250, 500, 750, 1000 mm<br>10, 20, 30, 40 inch |
| · Inner Diameter | 28, 30 mm                                     |
| · Outer Diameter | 62 mm   |

### Materials of Construction

|                     |       |
|---------------------|-------|
| · Filtration Media  | Nylon |
| · Inner Core        | N/A   |
| · Outer Cage        | N/A   |
| · End Caps          | N/A   |
| · O-rings / Gaskets | N/A   |

### Max. Operating Temperature

110°C (230°F)

### Max. Operating Forward Differential Pressure

|                             |
|-----------------------------|
| 4 bard (58.0 psid) at 20 °C |
| 3 bard (43.5 psid) at 40 °C |
| 2 bard (29.0 psid) at 60 °C |
| 1 bard (14.5 psid) at 80 °C |

### Recommended Change Out Differential Pressure

2 bard (29.0 psid)

### Micron Ratings

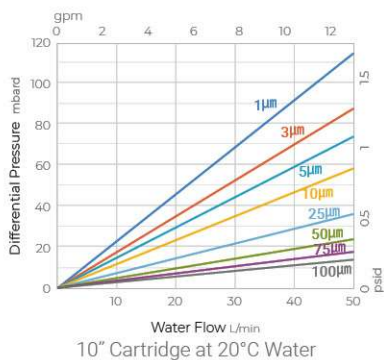
1, 3, 5, 10, 25, 50, 75, 100 µm

90% (β-Ratio 10) in accordance with modified ASTM F-795-88

(Single pass, constant flow of 10LPM/10" cartridge, ISO standard dust A3 in water)

**TYPICAL CLEAN WATER FLOW**

**CARTRIDGE**



**ORDERING INFORMATION**

|            |                      |   |   |   |   |   |              |               |
|------------|----------------------|---|---|---|---|---|--------------|---------------|
| ①          | ②                    | - | C | S | P | W | ③            | ④             |
| <b>DMN</b> | <b>001</b>           | - | C | S | P | W | <b>1</b>     | <b>1</b>      |
|            | <b>MICRON RATING</b> |   |   |   |   |   | <b>ID/OD</b> | <b>LENGTH</b> |
|            | 001 : 1µm            |   |   |   |   |   | 1 : Ø28/Ø62  | 1 : 250mm     |
|            | 003 : 3µm            |   |   |   |   |   | 2 : Ø30/Ø62  | 2 : 500mm     |
|            | 005 : 5µm            |   |   |   |   |   |              | 3 : 750mm     |
|            | 010 : 10µm           |   |   |   |   |   |              | 4 : 1,000mm   |
|            | 025 : 25µm           |   |   |   |   |   |              | A : 254mm     |
|            | 050 : 50µm           |   |   |   |   |   |              | B : 508mm     |
|            | 075 : 75µm           |   |   |   |   |   |              | C : 762mm     |
|            |                      |   |   |   |   |   |              | D : 1,016mm   |

**ABSFIL**